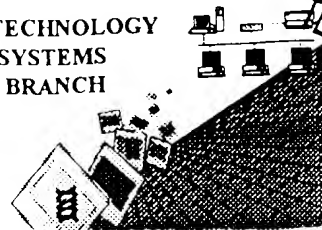


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



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APR 25 2003

TECH CENTER 1600/2900

#15

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/932,451D
Source: 1600
Date Processed by STIC: 4/21/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN ASSISTANCE: e-mail: robert.wax@uspto.gov Telephone: 703-306-4119

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
EFFECTIVE MAY 1, 2003 (via USPS): Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: _____

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (Sec "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.



1600

RAW SEQUENCE LISTING

DATE: 04/21/2003

PATENT APPLICATION: US/09/932,451D

TIME: 17:19:58

Input Set : A:\AVIG-026_01US seqlist.txt

Output Set: N:\CRF4\04212003\I932451D.raw

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2 <110> APPLICANT: OZAWA, Keiya
3      SHIMPO, Masahisa
4      IKEDA, Uichi
5      MAEDA, Yoshikazu
6      SHIMADA, Kazuyuki
7 <120> TITLE OF INVENTION: ADENO-ASSOCIATED VIRUS-MEDIATED DELIVERY OF ANGIOGENIC
8      FACTORS
9 <130> FILE REFERENCE: AVIG-026/01US (0800-0026)
10 <140> CURRENT APPLICATION NUMBER: 09/932,451D
11 <141> CURRENT FILING DATE: 2001-08-17
12 <150> PRIOR APPLICATION NUMBER: 60/226,056
13 <151> PRIOR FILING DATE: 2000-03-17
14 <160> NUMBER OF SEQ ID NOS: 4
15 <170> SOFTWARE: PatentIn Ver. 2.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 576
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
20 <214> FEATURE:
21 <215> OTHER INFORMATION: Description of Artificial Sequence: VEGF-165
22 <216> FEATURE:
23 <217> NAME/KEY: CDS
24 <218> LOCATION: (1)..(576)
25 <400> SEQUENCE: 1
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29
30 gaa gaa gaa gaa gaa gaa gaa gaa gaa gaa gaa gaa gaa gaa gaa gaa   96
31 Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu
32
33 gga gga gag aat cat cca gaa gta gta aag ttc atg gat gtc tat cag   144
34 Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
35
36 cga aac tac ttt cat cca aac cca aac cta cta gac atc ttc cag gag   192
37 Arg Ser Tyr Ser His Leu Ile His Thr Leu Val Asp Ile Phe Gln Gln
38

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RAW SEQUENCE LISTING

DATE: 04/21/2003

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TIME: 17:14:58

Input Set : A:\AVIG-026_01US seqlist.txt

Output Set: N:\CRF4\04212003\I932451D.raw

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62 Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
63      100      105      110
65 caa ggc cag cac ata gga gag atg agc ttc cta cag cac aac aaa tgt 384
66 Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
67      115      120      125
69 qua tgc aga cca aag aaa gat aga gca aga caa gaa aat ccc tgt ggg 432
70 Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
71      130      135      140
73 cct tgc tca gag cgg aga aag cat ttg ttt gta caa gat cgg cag acg 480
74 Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr
75      145      150      155      160
77 gct aaa tgt tgc tcc aaa aac aca gac tgg cgt tgc aag cgg agg cag 528
78 Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln
79      165      170      175
81 ctt gag tta aac gaa cgt act tgc aga tgt gac aag cgg agg cgg tga 576
82 Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
83      180      185      190
85 <10> SEQ ID NO: 2
87 <11> LENGTH: 191
89 <12> TYPE: PRT
91 <13> ORGANISM: Artificial Sequence
93 <20> FEATURE:
95 <23> OTHER INFORMATION: Description of Artificial Sequence: VEGF-165
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99 Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu
100      1      5      10      15
102 Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly
103      20      25      30
105 Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
106      35      40      45
108 Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu
109      50      55      60
111 Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu
112      65      70      75      80
114 Met Asn Cys Gly Gly Tyr Tyr Asn Asp Glu Gly Leu Glu Cys Val Pro
115      85      90      95
117 Thr Glu Asn Ser Asn Ile Thr Met Gln Ile Met Asn Ile Lys Ile His
118      100      105      110
120 Gln Gly Gln His Ile Gly Glu Met Ser Ile Leu Asn His Asp Tyr Tyr
121      115      120      125
123 Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
124      130      135      140
126 Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr
127      145      150      155      160
129 Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Asn Cys Lys Ala Arg Gln

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RAW SEQUENCE LISTING

DATE: 04/21/2003

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Input Set : A:\AVIG-026_01US seqlist.txt

Output Set: N:\CRF4\04212003\I932451D.raw

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135 <213> ORGANISM: (VEGF-specific sense primer
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143 <212> TYPE: DNA
144 <213> ORGANISM: (VEGF-specific antisense primer
146 <400> SEQUENCE: 4
147 ccacattctt gatgtcatca

22

20

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/932,451D

DATE: 04/21/2003

TIME: 17:19:59

Input Set : A:\AVIG-026_01US seqlist.txt
Output Set: N:\CRF4\04212003\I932451D.raw